

**PURCHASE DESCRIPTION**  
**FOR THE**  
**M45 CLOSE QUARTERS COMBAT PISTOL SLIDE**

**1. SCOPE**

1.1 Scope. This Purchase Description establishes the required characteristics of the .45 Caliber M45 Close Quarters Combat Pistol slide.

**2. APPLICABLE DOCUMENTS**

2.1 General. The documents listed in this section are specified in sections 3 or 4 of this Purchase Description. While every effort has been made to ensure the completeness of this list, readers are cautioned that they must meet all specified requirements of documents cited in sections 3 and 4 of this Purchase Description, whether or not they are listed here.

2.2 Non-Government Publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

**ASTM INTERNATIONAL**

ASTM A108	Steel Bars, Carbon, Cold-Finished, Standard Quality
ASTM A322	Steel Bars, Alloy, Standard Grades
ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials
ASTM E1444	Standard Practice for Magnetic Particle Inspection

(Copies of ASTM standards are available online from <http://www.astm.org/> or from the American Society for Testing and Materials, 100 Barr Harbor Drive, Conshohocken, PA 19428-2959)

**3. REQUIREMENTS**

**3.1 Physical Characteristics**

3.1.1 Material Composition. The M45 Pistol slide material shall be carbon steel - grade 8650, 4140, or 4340 per ASTM A108 or A322.

3.1.2 Heat Treatment. The M45 Pistol slide shall be heat treated to RC 38-42 in accordance with ASTM E18.

3.1.3 Serrations. The M45 Pistol slide shall have front and rear finger serrations on both the left and right hand sides.

3.1.4 Ejection Port. The M45 Pistol slide shall have a flared ejection port.

3.1.5 Firing Pin. The M45 Pistol slide shall accept and use a .45 style firing pin.

3.1.6 Material Defects. The M45 Pistol slide shall show no evidence of cracks, seams, or other injurious defects as determined by magnetic particle inspection in accordance with ASTM E1444.

### 3.2 Performance Requirements.

3.2.1 Reliability. The M45 Pistol slide shall enable the M45 pistol to fire with no more than 300 Mean Rounds Between Stoppages and 5,000 Mean Rounds Between Failure.

A stoppage is defined as any incident resulting in unplanned cessation in firing or inability to commence firing. This includes stoppages traceable or chargeable to an unserviceable part. Descriptions include, but are not limited to, failures to feed, chamber, lock, fire, unlock, extract, eject, or cock. Stoppages attributed to ammunition shall not be counted against the pistol being tested.

A failure is defined as one or more of the following:

- a. Any stoppage that cannot be corrected by the operator within 10 seconds.
- b. Visually observed cracks in the slide.
- c. Inadvertent firing.

### 3.3 Interface Requirements.

3.3.1 Parts Compatibility. The M45 Pistol slide shall be of a standard 5 inch M1911A1 military style that is compatible with the standard M1911A1 pistol receiver and with the following components. Compatible is defined as the ability of the slide to be assembled using these parts without any modification and, that the assembled weapon will successfully complete the cycle of operation.

Nomenclature	Suggested Source of Supply	Part#
Barrel with link, pin & bushing	BAR-STO	DBBL & P45
Front sight pin	Brownells	080-519-025
Firing pin stop	Caspian Arms	S2045B
Slide stop pin	Caspian Arms	R111B
Plunger tube	Caspian Arms	R121B
Extractor	Caspian Arms	S18457B
Ejector	Cylinder & Slide	CS136B
Firing pin	Ed Brown	R824
Recoil spring plug	Ed Brown	R881-STD
Recoil spring guide	Ed Brown	R882-STD
Rear sight set screw	MSC	5535000
Front sight	Novak	DFS02-3.180
Rear sight	Novak	LMC01
Shok buff	Wilson Combat	B2

Firing pin spring from Service Pack	W C Wolff Co.	69141
Recoil spring from Service Pack	W C Wolff Co.	69141

#### 4. VERIFICATION

4.1 General. The Government may use any verification method deemed necessary to verify the requirements from Section 3, including inspection and testing.

#### 5. PACKAGING

5.1 General. The packaging requirements shall be as specified in the contract.